CLAIMS

1. An organic electroluminescence element comprising on a surface of a transparent substrate, a transparent electrode layer, an organic material layer including a light-emitting organic material layer, an opaque electrode layer, an insulating layer, a metal layer and a resin film in order.

2. The organic electroluminescence element as defined in claim 1, wherein the metal layer has a thickness in the range of 10 to 500 nm.

3. The organic electroluminescence element as defined in claim 1, wherein the insulating layer has a thickness in the range of 10 to 1,000 nm.

4. The organic electroluminescence element as defined in claim 1, wherein another metal layer is provided on a surface of the resin film.

5. The organic electroluminescence element as defined in claim 1, wherein another insulating layer and another metal layer are provided between the opaque electrode layer and the insulating layer, said another insulating layer and said another metal layer being arranged in order from the opaque electrode layer.

6. The organic electroluminescence element as defined in claim 1, wherein the insulating layer comprises a hygroscopic material.

7. The organic electroluminescence element as defined in claim 1, wherein a hygroscopic material layer is provided between the insulating layer and the metal layer.

8. A process for preparation of an organic electroluminescence element comprising the steps of: preparing an electrode substrate and an electrode film, said electrode substrate comprising a transparent electrode layer on a surface of a transparent substrate, and said electrode film comprising on a surface of a resin film, a metal layer, an insulating layer and an opaque electrode layer in order, provided that an organic material layer including a light-emitting organic material layer is provided on a surface of at least one of the transparent electrode layer and the opaque electrode layer; placing the electrode film on the electrode substrate while placing the organic material layer between the transparent electrode layer and the opaque electrode layer; and pressing the electrode substrate and the electrode film while heating the organic material layer to soften the layer whereby causing the electrode film to adhere to the electrode substrate.

9. An electrode film comprising on a surface of a resin film, a metal layer, an insulating layer and an opaque electrode layer in order.

10. The electrode film as defined in claim 9, wherein the metal layer has a thickness in the range of 10 to 500 nm.

11. The electrode film as defined in claim 9, wherein the insulating layer has a thickness in the range of 10 to 1,000 nm.

12. The electrode film as defined in claim 9, wherein another metal layer is further provided on a back surface of the resin film.

13. The electrode film as defined in claim 9, wherein anther metal layer and another insulating layer are provided between the insulating layer and the opaque electrode layer, said another metal layer and said another insulating layer being arranged in order from the insulating layer.

14. The electrode film as defined in claim 9, wherein the insulating layer comprises a hygroscopic material.

15. The electrode film as defined in claim 9, wherein a hygroscopic material layer is provided between the metal layer and the insulating layer.

16. An organic electroluminescence element comprising on a surface of a transparent substrate, a transparent electrode layer, an organic material layer including a light-emitting organic material layer, an opaque electrode layer, a resin film and a metal layer in order.

17. The organic electroluminescence element as defined in claim 16, wherein the metal layer has a thickness in the range of 10 to 500 nm.

18. The organic electroluminescence element as defined in claim 16, wherein an insulating hygroscopic material layer is provided between the opaque electrode layer and the resin film.

19. The organic electroluminescence element as defined in claim 16, wherein an insulating layer and a hygroscopic material layer are provided between the opaque electrode layer and the resin film, said insulating layer and said hygroscopic material layer being arranged in order from the opaque electrode layer.

20. A process for preparation of an organic electroluminescence element comprising the steps of: preparing an electrode substrate and an electrode film, said electrode substrate comprising a transparent electrode layer on a surface of a transparent substrate, and said electrode film comprising an opaque electrode layer on a surface of a resin film and a metal layer on a back surface of the resin film, provided that an organic material layer including a light-emitting organic material layer is provided on a surface of at least one of the transparent electrode layer and the opaque electrode layer; placing the electrode film on the electrode substrate while placing the organic material layer between the transparent electrode layer and the opaque electrode layer; and pressing the electrode substrate and the electrode film while heating the organic material layer to soften the layer whereby causing the electrode film to adhere to the electrode substrate.

21. An electrode film comprising an opaque electrode layer on a surface of a resin film and a metal layer on a back surface of the resin film.

22. The electrode film as defined in claim 21, wherein the metal layer has a thickness in the range of 10 to 500 nm.

23. The electrode film as defined in claim 21, wherein an insulating hygroscopic material layer is provided between the resin film and the opaque electrode layer.

24. The electrode film as defined in claim 21, wherein a hygroscopic material layer and an insulating layer are provided between the resin film and the opaque electrode layer, said hygroscopic material layer and said insulating layer being arranged in order from the resin film.